Engineered for the Critical

World's Largest Selection of Fan Products
World's Most Comprehensive Fan Solutions



LONGWELL®
Turn to Experts - HVAC&R

Ningbo Longwell Electric Technology Co., Ltd

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Fax: +86 574 6218 9863
Phone: 0086 183 5827 4663
Web: www.longwellfans.com | www.longwell-group.com | www.longwell-media.com
Email: sales@zjlongwell.com

CE RoHS compliant BSCI ISO EAC UL LVD

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LONGWELL TECHNOLOGY

The Ventilation and Drive Technology Partner for Mission-Critical Environments







Professional Manufacturer of HVACR Fan & Motors

—— EC Gas Blower

Longwell Group
Longwell-China
Longwell-USA
Longwell-Russia
Longwell-Europe

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CATALOGUE

01 Quality Control
02 Applications
03 Type Code
04 Product Feature
05-34 EC Gas Blower

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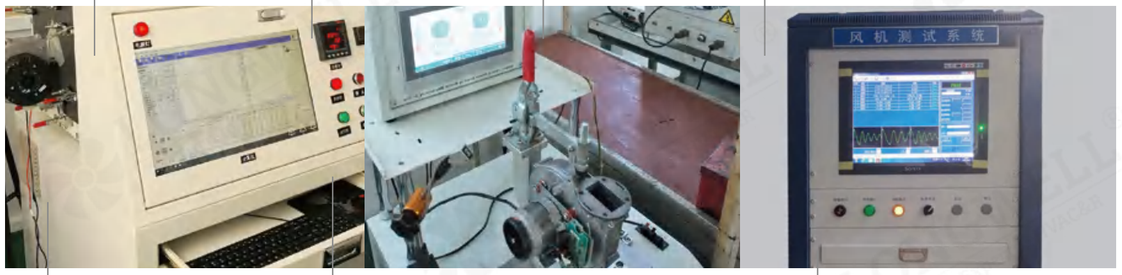
Quality control

Air performance test stands
Blower opeating characteristics check
Air characteristic curve

Noise testing

Vibration test

Blower comprehensive test bench
Safety performance detection
Electrical performance testing
Data of each fan can be stored and tracked



Blower pressure leakage detection

Approvals
TUV,CCC,ROHS,CUS



Aging test
Sample collection for each batch
-30°C-80°C
Over 5,000 hours of runing test

Ideally suited for all applications

Residential technology 150 kW



Energy efficient heating and heating system for family house

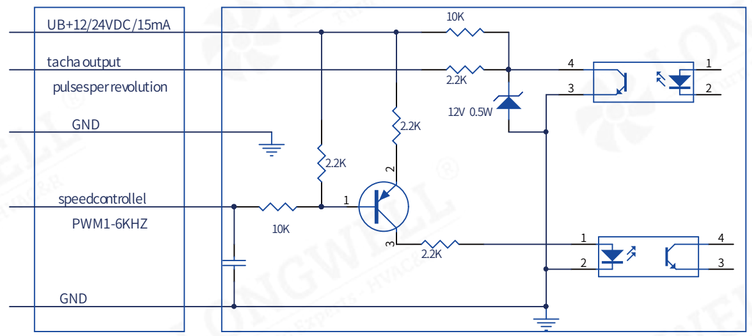
Commercial technology

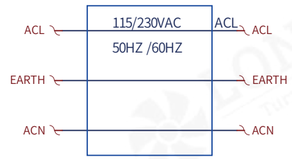


Application of commercial complex heating system, commercial energy-saving kitchen equipment system, various burners and steam generator.



Electrical Schematic Diagram





Type Code

LW G E 77 S - 01

- Series Number
- T-380V S-230V U-115V
  L-12V M-24V H-48V
- Diameter Of blades
- A-AC D-DC E-EC
- G-Gas Blower
- Longwell

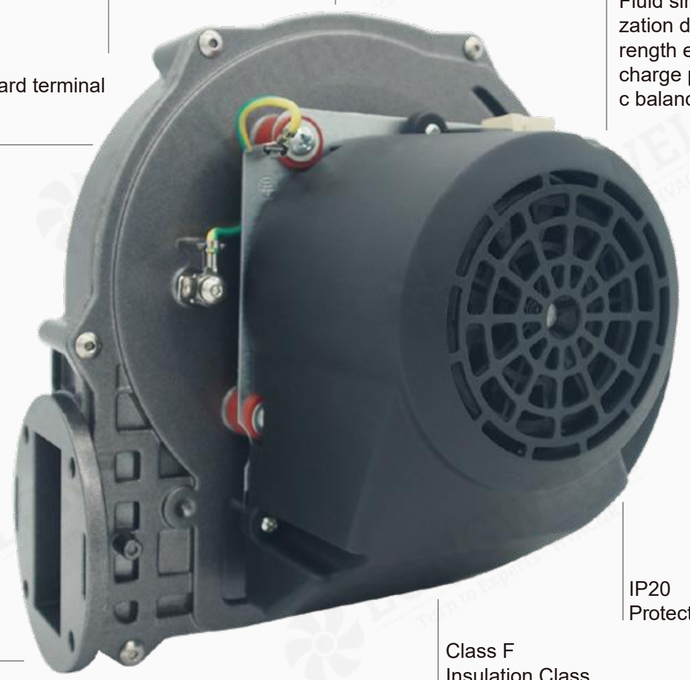
Product feature

Electric control board:
Independent installation design for easy disassembly and maintenance
Brushless motor drive, PWM signal adjustment, FG signal output
Blocking protection and current limiting protection

Housing:
Die cast aluminum housing
Seal joint treatment
Up to 4000PA leak detection

Impellers:
Fluid simulation optimi zation design High - st rength electrostatic dis charge plastic Dynami c balance calibration

Connection port:
International standard terminal



Bearings:
Maintenance - free
ball bearings

IP20
Protection class:IP20

Class F
Insulation Class
Class F

way to install:
Shaft horizontal or motor mounted on top



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EC Gas Blower

- Powerful airflow capabilities for effective gas movement and circulation
- Minimizes pressure drops and optimizes gas flow rates for enhanced productivity
- Advanced control systems for accurate gas flow adjustment and regulation
- Enables fine-tuning of gas processes and ensures consistency in gas handling operations
- Built-in safety features to prevent gas leaks and maintain operational integrity



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LWGE077 Series

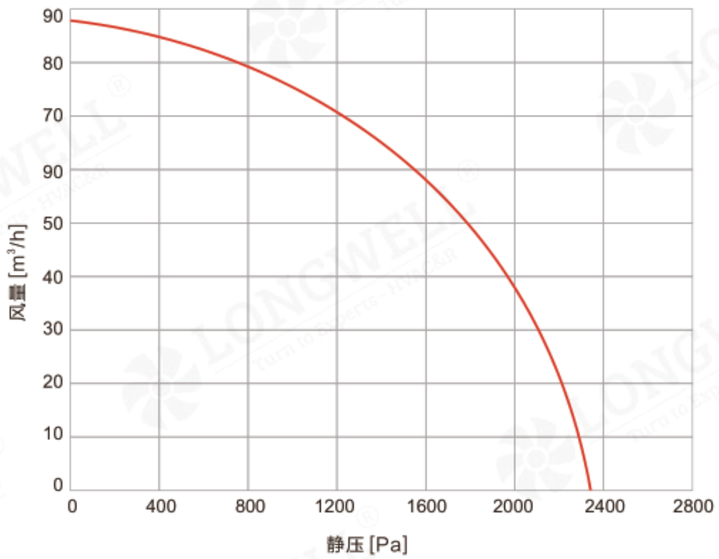


Product Characteristic

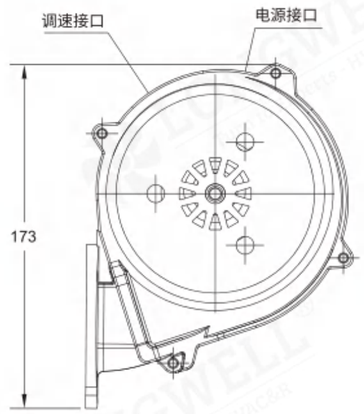
- Protection class: IP20
- Impellers: Plastic
- Insulation Class: Class F
- Housing: Aluminum
- Package: 8pcs, 8kg,560x410x180mm
- Connection port: International standard terminal
- Bearings: Maintenance - free ball bearings
- Way to install: Shaft horizontal or motor mounted on top

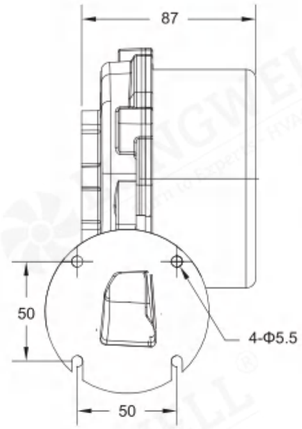
Technical Specifications

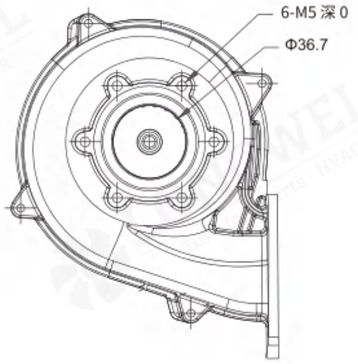
Model	Voltage (V)	Frequency (Hz)	Input Power (W)	Speed (RPM)	Air Volume (m^3/h)	Current (A)	Air Pressure (Pa)	Net Weight (kg)
LWGE077S-01	230	50/60	60	10000	87	0.5	2350	0.9



Product Drawing (mm)







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LWGE097 Series (Centrifugal Blower)

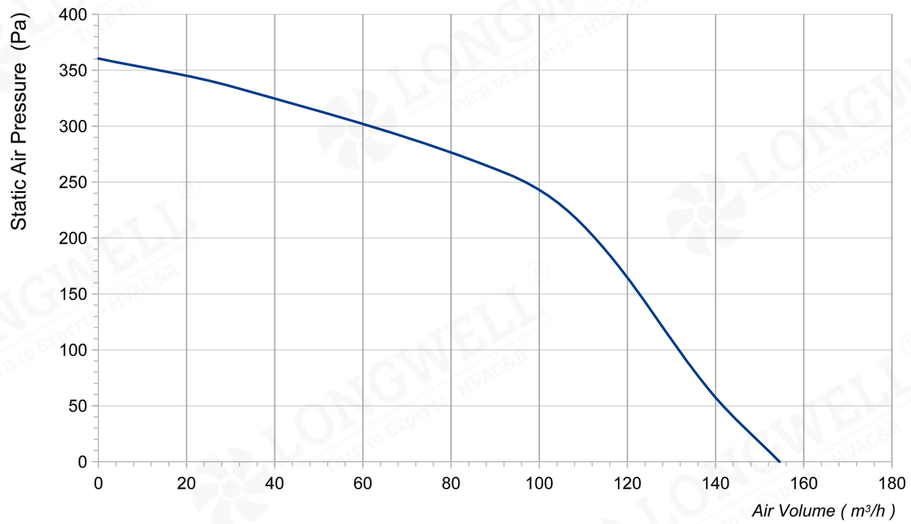
Product Characteristic

- Insulation class: B
- Ball bearings
- Thermally protected
- UL Approved
- Motor anti-vibration mounted

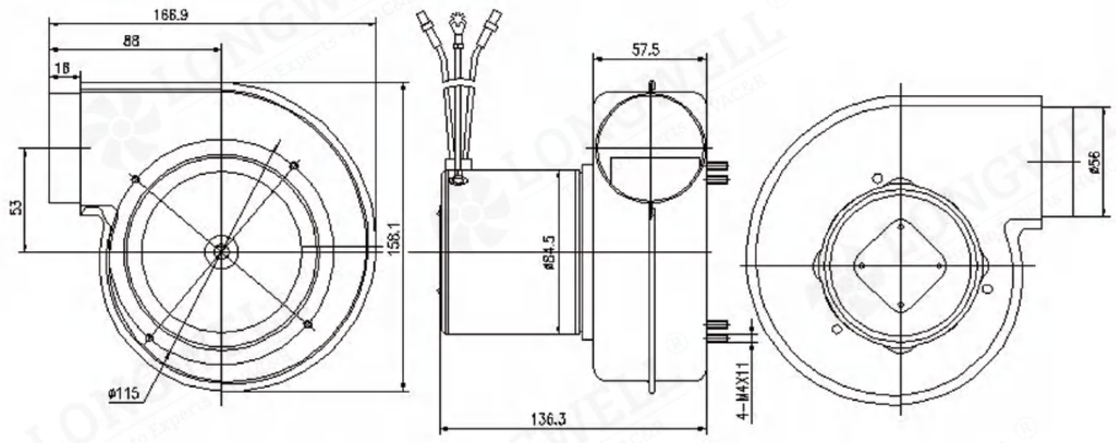


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m^3/h)	Air Pressure (Pa)
LWGE097U-07	115	60	66	0.9	2600	155	361



Product Drawing (mm)



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LWGE097 Series (Centrifugal Blower)

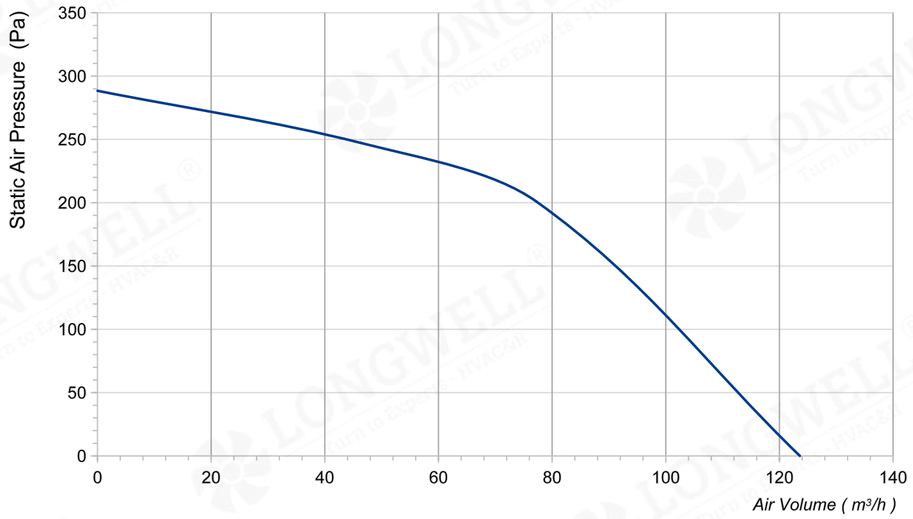
Product Characteristic

- Insulation class: B
- Ball bearings
- Thermally protected
- UL Approved
- Motor anti-vibration mounted

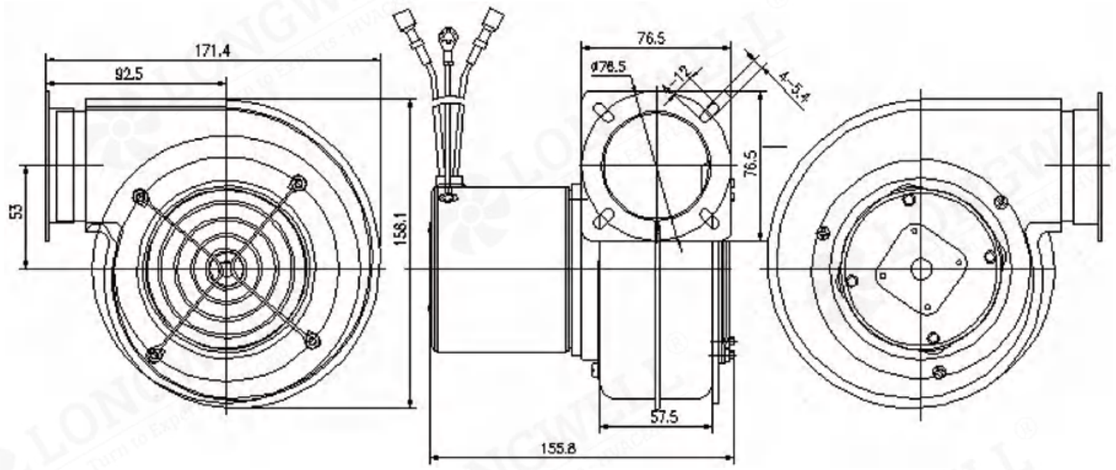


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)
LWGE097U-08	115	60	60	0.9	2820	124	288



Product Drawing (mm)



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LWGE118 Series

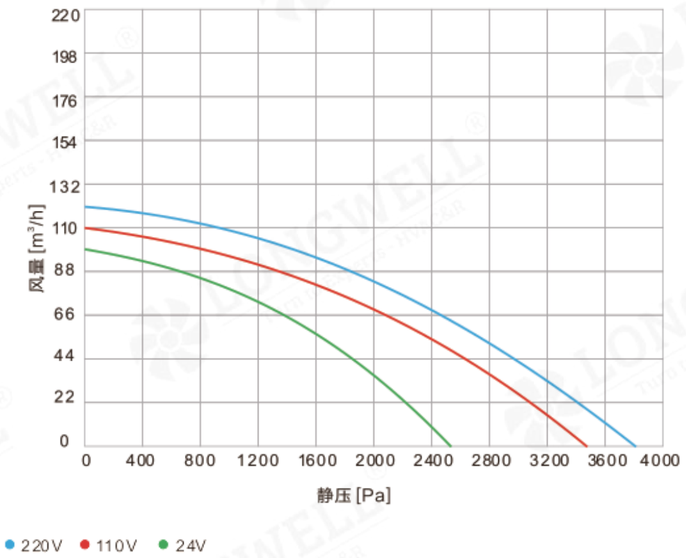


Product Characteristic

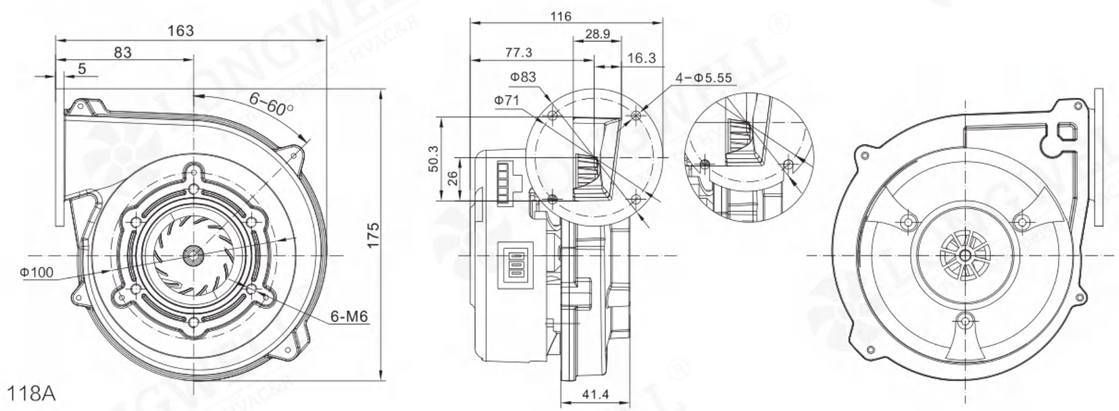
- Protection class: IP20
- Impellers: Pplastic
- Insulation Class: Class F
- Housing: Aluminum
- Operating / Storaging humidity: 0% to 95% RH
- Operating / Storaging Temp: 0°C to + 70°C /-25°C to + 80°C
- Connection port: International standard terminal
- Bearings: Maintenance - free ball bearings
- Way to install: Shaft horizontal or motor mounted on top

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)	Current (A)	Air Pressure (Pa)	Net Weight (kg)
LWGE118S-01	230	50/60	73	10000	120	0.69	3800	1.08
LWGE118U-02	115	50/60	70	10000	110	0.59	3500	1.08



Product Drawing (mm)



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LWGE118 Series

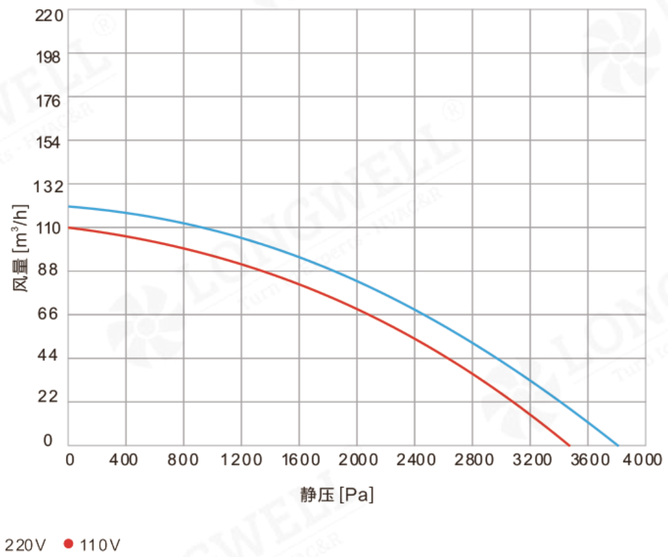
Product Characteristic



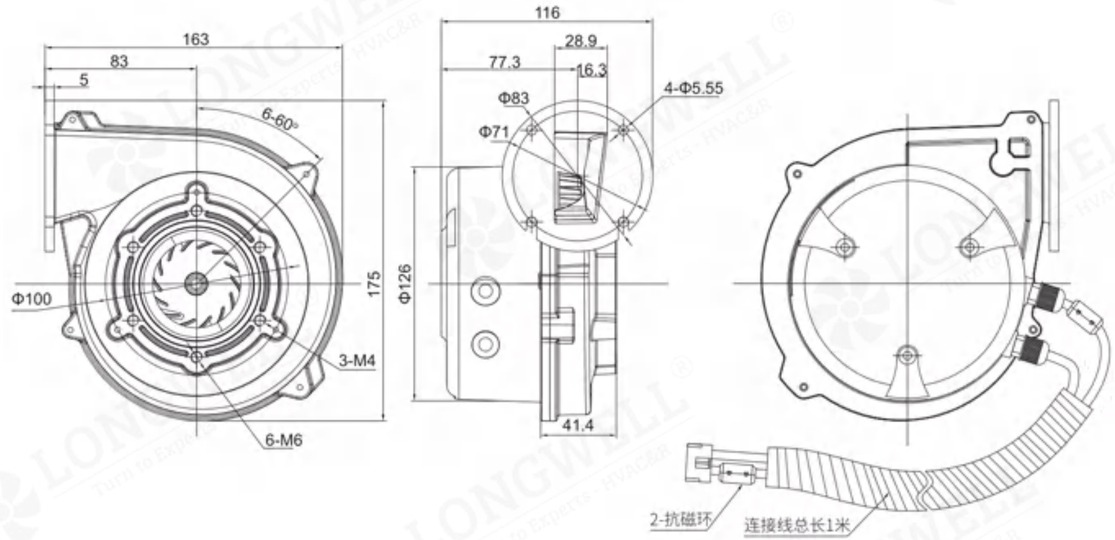
- Protection class: IP20
- Impellers: Plastic
- Insulation Class: Class F
- Housing: Aluminum
- Operating / Storaging humidity: 0% to 95% RH
- Operating / Storaging Temp: 0°C to + 70°C /-25°C to + 80°C
- Connection port: International standard terminal
- Bearings: Maintenance - free ball bearings
- Way to install: Shaft horizontal or motor mounted on top

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Input Power (W)	Speed (RPM)	Air Volume (m^3/h)	Current (A)	Air Pressure (Pa)	Net Weight (kg)
LWGE118S-03	230	50/60	73	10000	120	0.69	3800	1.08
LWGE118U-04	115	50/60	70	10000	110	0.59	3500	1.08



Product Drawing (mm)



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LWGE118 Series (Premixed Blower)

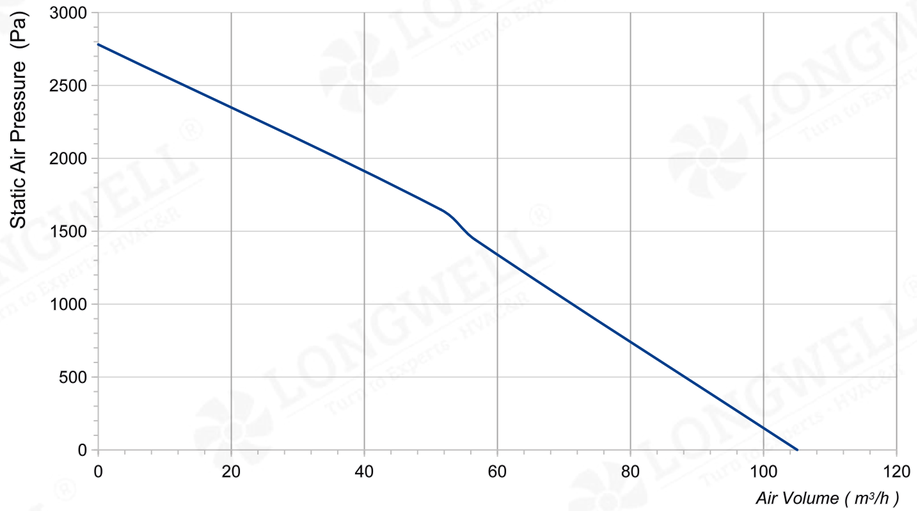
Product Characteristic

- Insulation class: F
- Die-cast aluminum housing
- Conductive plastic impeller
- Ball bearing on two sides
- Motor anti-vibration mounted
- Mounting position must be specified for corresponding support elements

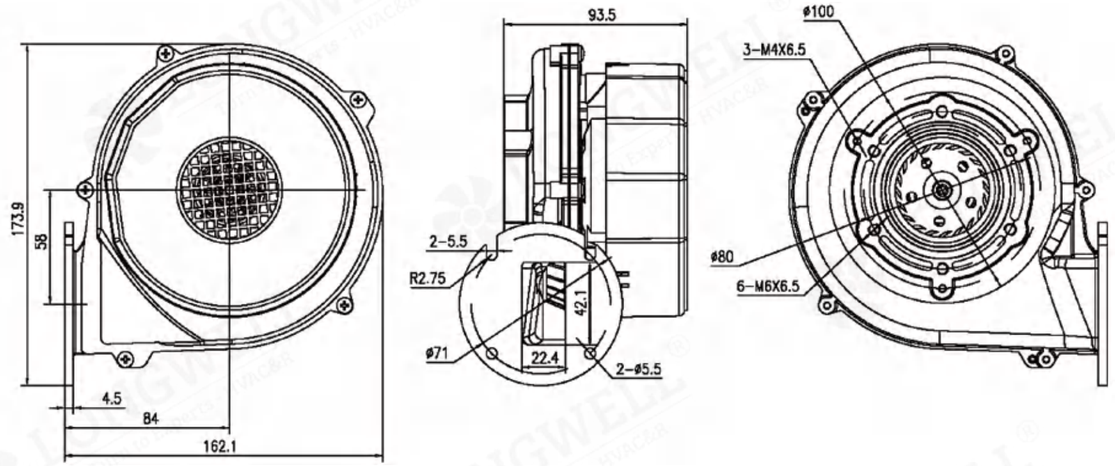


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m^3/h)	Air Pressure (Pa)
LWGE118S-05	230	50	68	0.51	9300	105	2781



Product Drawing (mm)



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LWGE120 Series (Centrifugal Blower)

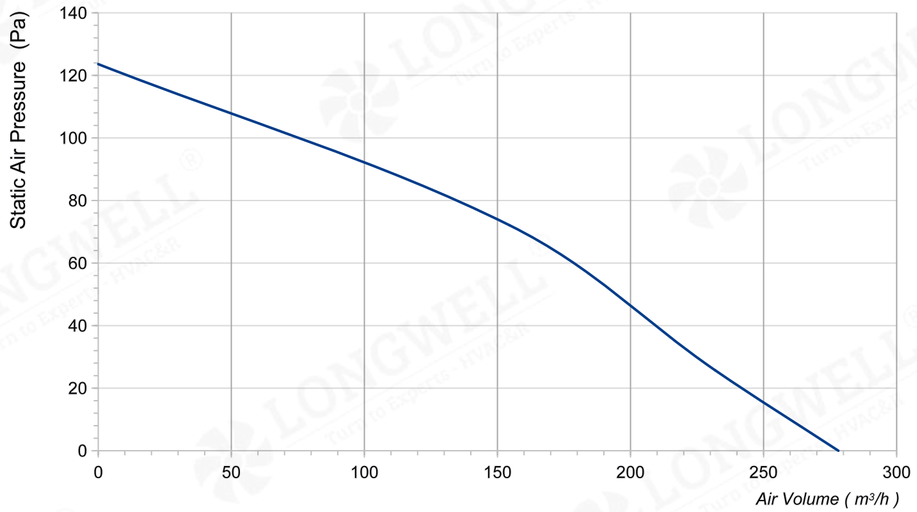
Product Characteristic

- Insulation class: F
- Die-cast aluminum housing
- Anti-spark plastic impeller
- PWM for speed control
- Motor anti-vibration mounted

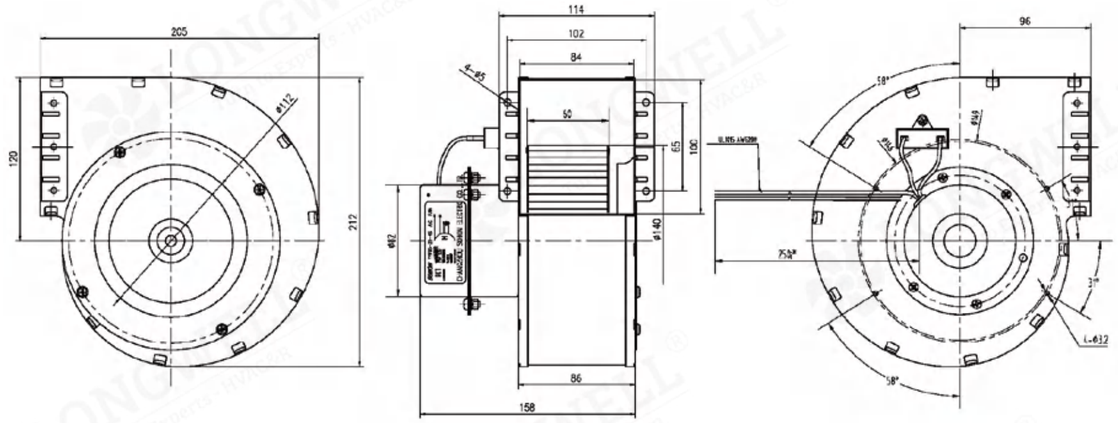


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m^3/h)	Air Pressure (mm)
LWGE120S-01	220	50	34	0.18	1000	278	124



Product Drawing (mm)



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LWGE130 Series (Premixed Blower)

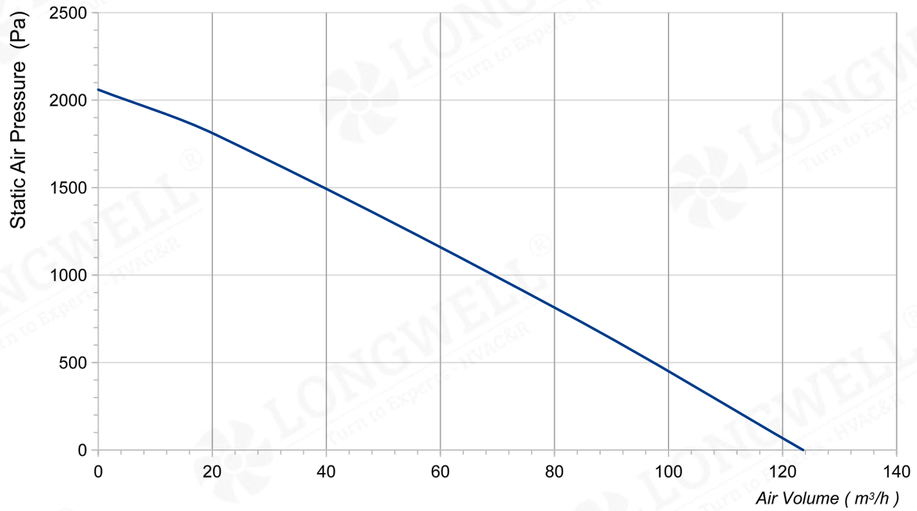
Product Characteristic

- Insulation class: F
- Die-cast aluminum housing
- Anti-spark plastic impeller
- PWM for speed control
- Motor anti-vibration mounted

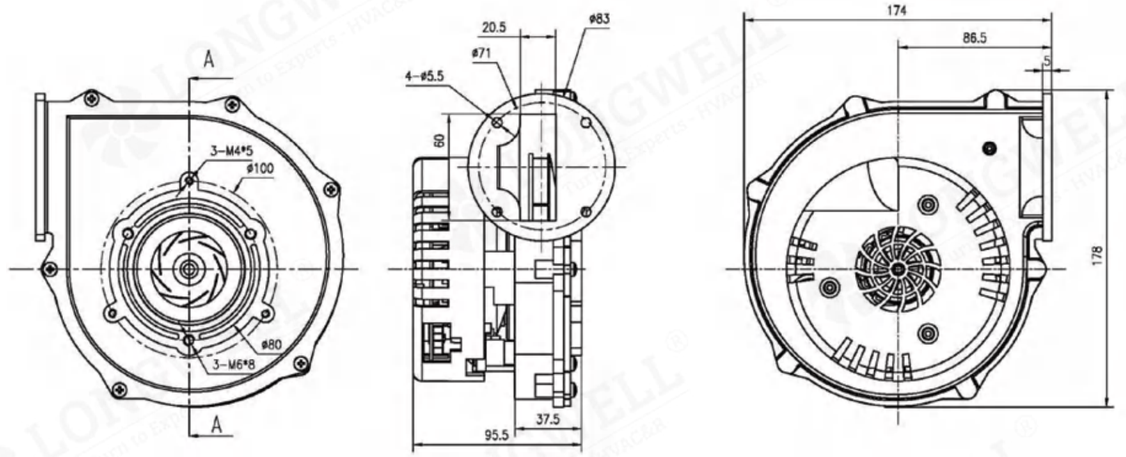


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)
LWGE130S-01	230	50	54	0.46	8500	129	2575



Product Drawing (mm)



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LWGE140 Series (Centrifugal Blower)

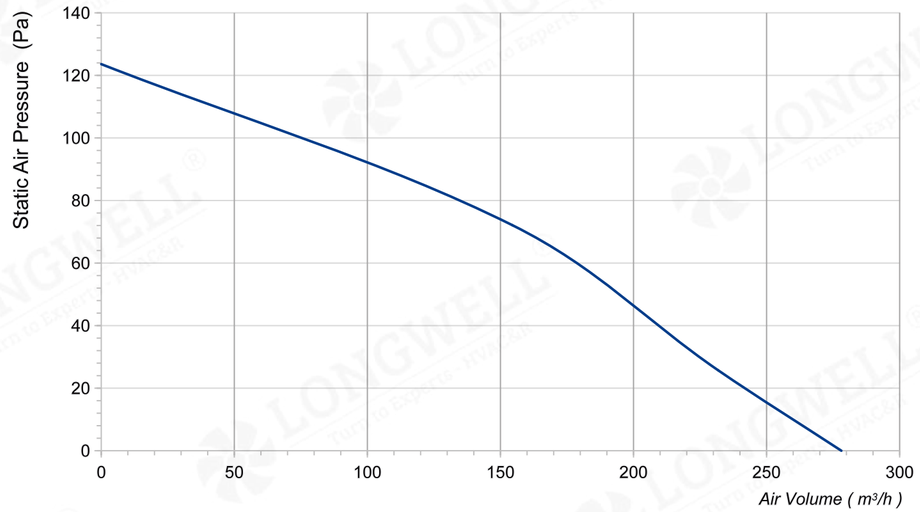
Product Characteristic

- Insulation class: F
- Die-cast aluminum housing
- Anti-spark plastic impeller
- PWM for speed control
- Motor anti-vibration mounted

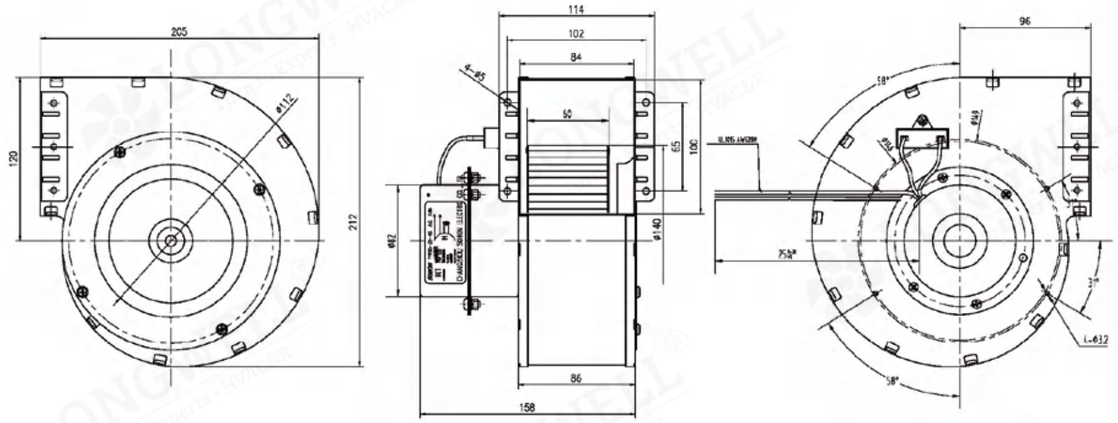


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m^3/h)	Air Pressure (mm)
LWGE140U-01	100	50	34	0.34	1000	278	124



Product Drawing (mm)



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LWGE148 Series

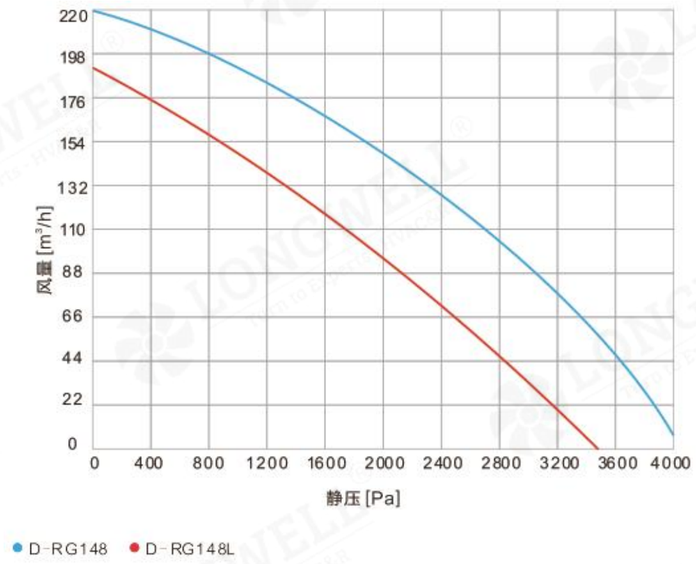
Product Characteristic



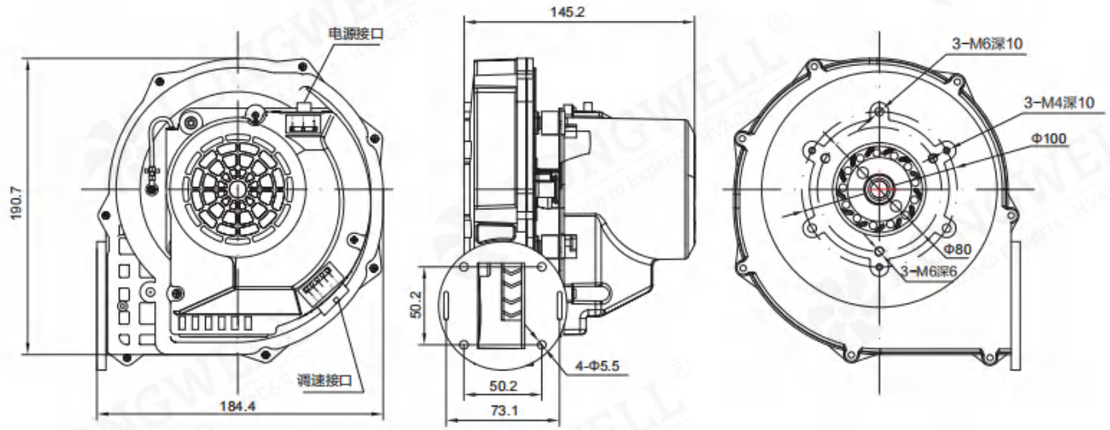
- Protection class: IP20
- Impellers: Plastic
- Insulation Class: Class F
- Housing: Aluminum
- Operating / Storaging humidity: 0% to 95% RH
- Operating / Storaging Temp: 0°C to + 70°C /-25°C to + 80°C
- Connection port: International standard terminal
- Bearings: Maintenance - free ball bearings
- Way to install: Shaft horizontal or motor mounted on top

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)	Current (A)	Air Pressure (Pa)	Net Weight (kg)
LWGE148S-01	230	50/60	210	10000	220	1.7	4100	1.9
LWGE148S-02	230	50/60	130	8500	190	1.04	3500	1.9



Product Drawing (mm)



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LWGE148 Series

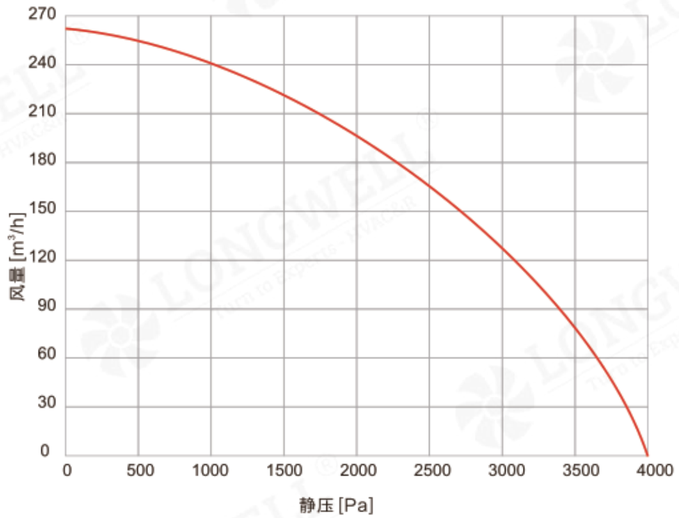
Product Characteristic



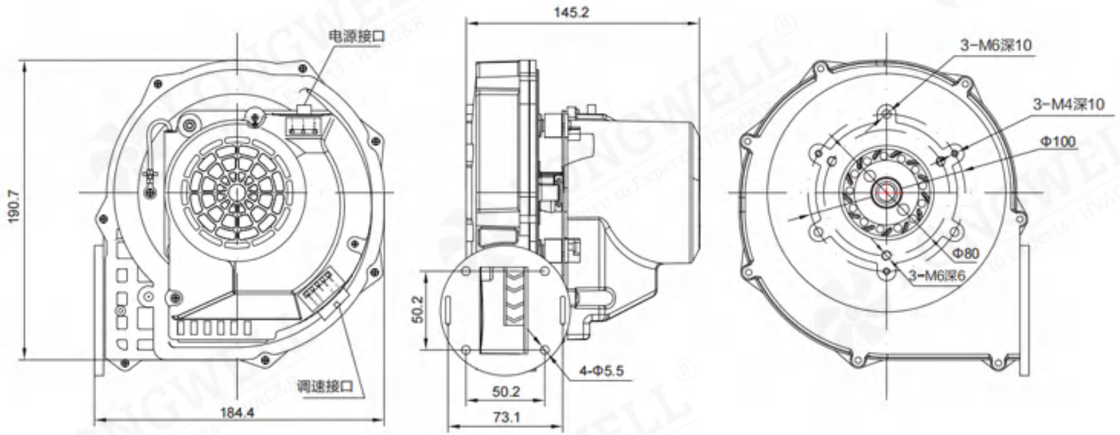
- Protection class: IP20
- Impellers: Plastic
- Insulation Class: Class F
- Housing: Aluminum
- Operating / Storaging humidity: 0% to 95% RH
- Operating / Storaging Temp: 0°C to + 70°C /-25°C to + 80°C
- Connection port: International standard terminal
- Bearings: Maintenance - free ball bearings
- Way to install: Shaft horizontal or motor mounted on top

Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Input Power (W)	Speed (RPM)	Air Volume (m³/h)	Current (A)	Air Pressure (Pa)	Net Weight (kg)
LWGE148U-03	115	50/60	300	9500	260	3.2	4100	2.1
LWGE148S-04	230	50/60	300	9500	260	2.4	4100	2.1



Product Drawing (mm)

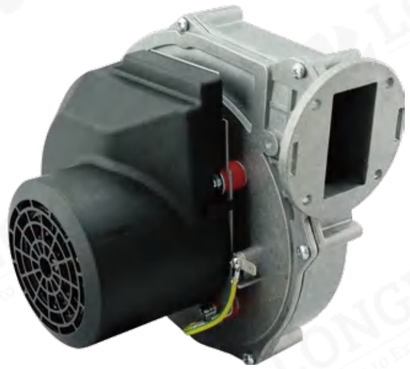


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LWGE148 Series (Premixed Blower)

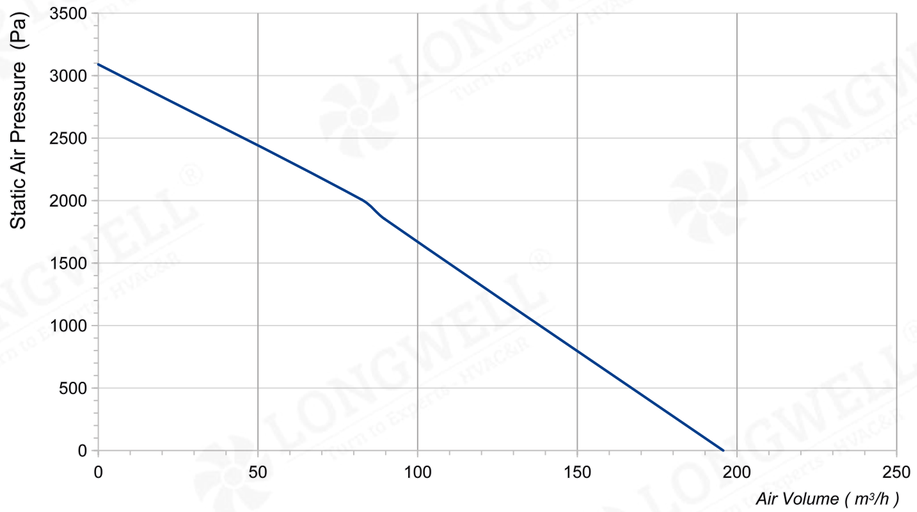
Product Characteristic

- Insulation class: F
- Die-cast aluminum housing
- Anti-spark plastic impeller
- PWM for speed control
- Motor anti-vibration mounted

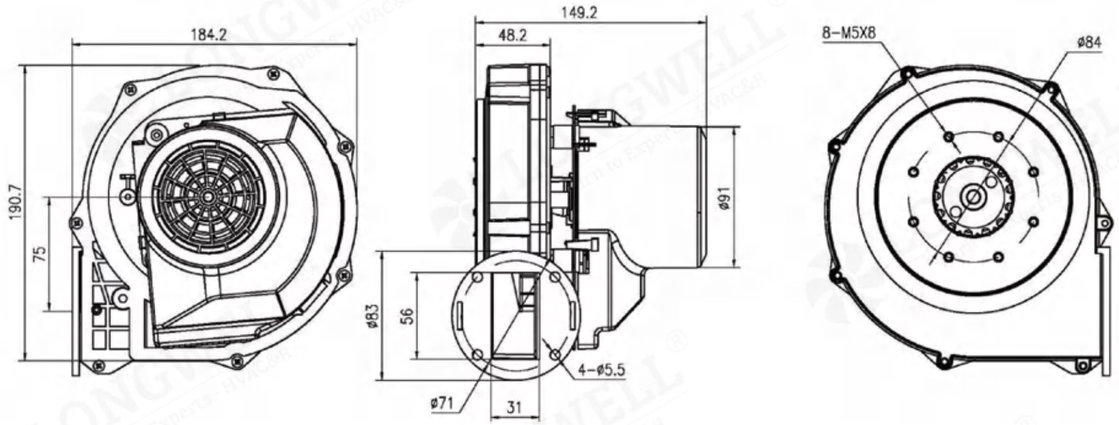


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)
LWGE148S-05	230	50	130	0.9	8400	196	3090



Product Drawing (mm)

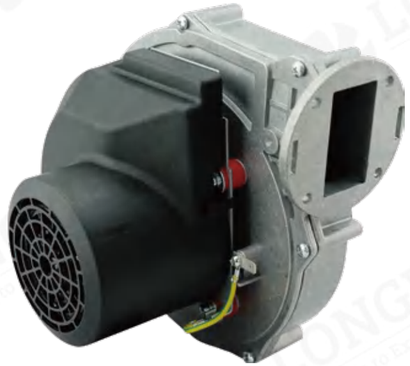


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LWGE148 Series (Premixed Blower)

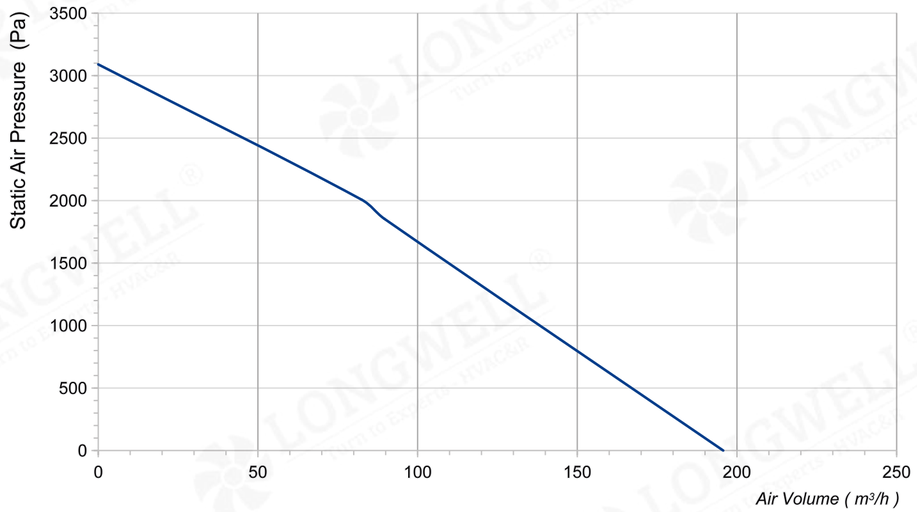
Product Characteristic

- Insulation class: F
- Die-cast aluminum housing
- Anti-spark plastic impeller
- PWM for speed control
- Motor anti-vibration mounted

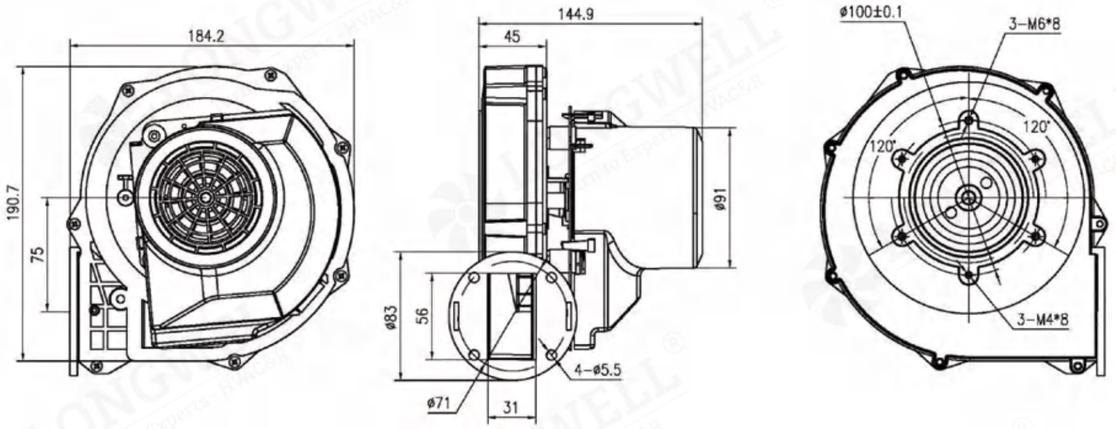


Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)
LWGE148S-06	230	50	130	0.9	8400	196	3090



Product Drawing (mm)



Ningbo Longwell Electric Technology CO, LTD
https://www.longwellfans.com Email:sales@zjlongwell.com

LWGE150 Series (Exhaust Blower)

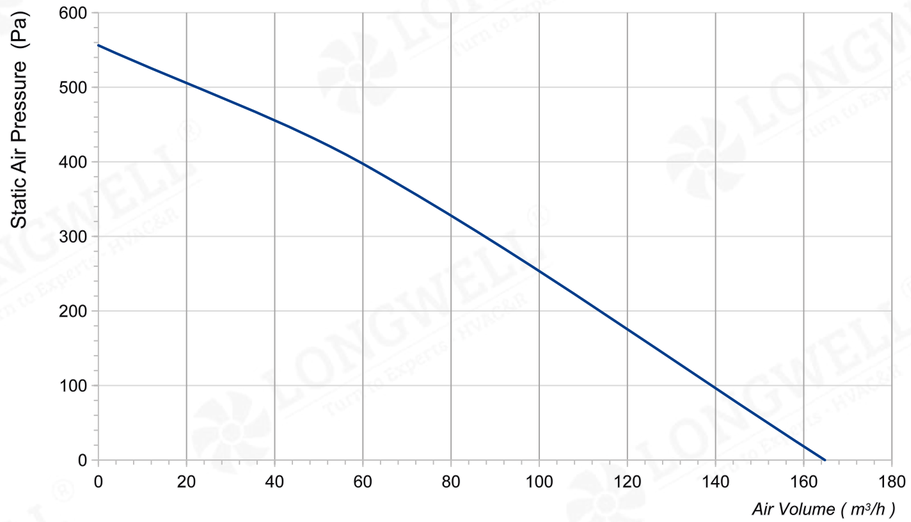
Product Characteristic

- Insulation class: F
- Housing &impeller: Aluminized sheet steel
- Flue temperature: ≤180℃ (continuous)
  ≤240℃ (instantaneous)
- Motor anti-vibration mounted
- Mounting position must be specified for corresponding support elements



Technical Specifications

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Speed (RPM)	Air Volume (m³/h)	Air Pressure (Pa)
LWGE150S-01	230	50	40	0.35	4000	165	556



Product Drawing (mm)

